IN THE CLAIMS

Please cancel Claims 1-28 without prejudice.

Please add Claims 29-54 as follows:

29. (New) A catheter system for emboli containment, comprising:

a guidewire having a proximal end and a distal end;

an occlusive device connected to the distal end of the guidewire, the occlusive device being actuatable between an expanded state in which the occlusive device engages at least a portion of the walls of a blood vessel, and a nonexpanded state in which the occlusive device does not engage the walls of the blood vessel;

a first treatment catheter having a proximal end and a distal end and a lumen extending therethrough; and

a second treatment catheter having a proximal end and a distal end and a lumen extending therethrough;

wherein the first treatment catheter is adapted to be delivered over and then removed from the guidewire, and the second treatment catheter is adapted to be delivered over and then removed from the guidewire following removal of the first treatment catheter, and wherein the occlusive device is capable of maintaining its expanded state while the first treatment catheter is removed from the guidewire and while the second treatment catheter is delivered over the guidewire.

30. (New) The catheter system of Claim 29, wherein the first treatment catheter is a therapy catheter.

31. (New) The catheter system of Claim 29, wherein the second treatment catheter is a therapy catheter.

32. (New) The catheter system of Claim 29, wherein the second treatment catheter is an aspiration catheter.

33. (New) The catheter system of Claim 30, wherein the second treatment catheter is an aspiration catheter.

34. (New) The catheter system of Claim 29, further comprising a third treatment catheter having a proximal end and a distal end and a lumen extending therethrough, wherein the third treatment catheter is adapted to be delivered over and then removed from the guidewire

following removal of the first treatment catheter and prior to delivery of the second treatment catheter.

35. (New) The catheter system of Claim 34, wherein the first treatment catheter has a dilatation balloon of a first diameter on its distal end, the third treatment catheter has a dilatation balloon of a second diameter on its distal end, the second diameter being larger than the first diameter, and the second treatment catheter is an aspiration catheter.

36. (New) The catheter system of Claim 29, wherein the guidewire includes a lumen extending therethrough.

37. (New) The catheter system of Claim 36, wherein the occlusive device is an inflatable balloon.

38. (New) The catheter system of Claim 37, further comprising a valve within the lumen of the guidewire for maintaining the occlusive device in either its expanded or nonexpanded state.

39. (New) The catheter system of Claim 29, wherein the occlusive device is a self-expanding sealing member.

40. (New) The catheter system of Claim 39, further comprising a sleeve provided over the self-expanding sealing member, wherein removal of the sleeve actuates the self-expanding sealing member.

41. (New) The catheter system of any of Claims 36, wherein the occlusive device is actuated by a pull wire extending through the lumen of the guidewire.

42. (New) The catheter system of Claim 41, wherein the occlusive device is a filter.

43. (New) A catheter system for emboli containment, comprising:

a guidewire having a proximal end and a distal end;

an occlusive device connected to the distal end of the guidewire, the occlusive device being actuatable between an expanded state in which the occlusive device engages at least a portion of the walls of a blood vessel, and a nonexpanded state in which the occlusive device does not engage the walls of the blood vessel; and

a catheter having a proximal end and a distal end and a lumen extending therethrough, the catheter being adapted to be delivered over and removed from the guidewire;

wherein the occlusive device is capable of maintaining its expanded state while the catheter is either advanced over or removed from the guidewire.

44. (New) The catheter system of Claim 43, wherein the occlusive device can be actuated from its nonexpanded state to its expanded state while the catheter is positioned over the guidewire.

45. (New) The catheter system of Claim 43, wherein the occlusive device can be deactuated from its expanded state to its nonexpanded state while the catheter is positioned over the guidewire.

46. The catheter system of Claim 43, wherein the catheter is a therapy catheter.

47. (New) The catheter system of Claim 43, wherein the catheter is an aspiration catheter.

48. (New) The catheter system of Claim 43, wherein the guidewire includes a lumen extending therethrough.

49. (New) The catheter system of Claim 48, wherein the occlusive device is an inflatable balloon.

50. (New) The catheter system of Claim 49, further comprising a valve within the lumen of the guidewire for maintaining the occlusive device in either its expanded or nonexpanded state.

51. (New) The catheter system of Claim 43, wherein the occlusive device is a self-expanding sealing member.

52. (New) The catheter system of Claim 51, further comprising a sleeve provided over the self-expanding sealing member, wherein removal of the sleeve actuates the self-expanding sealing member.

53. (New) The catheter system of Claim 48, wherein the occlusive device is actuated by a pull wire extending through the lumen of the guidewire.

54. (New) The catheter system of Claim 53, wherein the occlusive device is a filter.

REMARKS

This application is a continuation of U.S. patent application Serial No. 09/049,712, filed March 27, 1998. Applicant has amended the specification to update the priority claim and the status of the applications incorporated by reference. Applicant has also canceled Claims 1-28